



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Qinghua Li et al.

Title: LOW BIT ERROR RATE ANTENNA SWITCH FOR WIRELESS COMMUNICATIONS

Docket No.: 1000-0017

Filed: October 14, 2003

Examiner: Unknown

Serial No.: 10/684850

Due Date: N/A

Group Art Unit: Unknown

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

☒ A return postcard.

☒ An Information Disclosure Statement (2 pgs.), Form 1449 (1 pg.), and copies of 1 cited documents.

If not provided for in a separate paper filed herewith, Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 50-2359.

The Law Offices of John C. Scott c/o PortfolioIP
P.O. Box 52050, Minneapolis, MN 55402 (480-948-3745)

By: John C. Scott
Atty: John C. Scott
Reg. No. 38,613

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 31 day of October, 2003.

Emily Bates
Name

Emily Bates
Signature

(GENERAL)



S/N 10/684850

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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|-------------|---|-----------------|-----------|
| Applicant: | Qinghua Li et al. | Examiner: | Unknown |
| Serial No.: | 10/684850 | Group Art Unit: | Unknown |
| Filed: | October 14, 2003 | Docket: | 1000-0017 |
| Title: | LOW BIT ERROR RATE ANTENNA SWITCH FOR WIRELESS COMMUNICATIONS | | |

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 50-2359 in order to have this Information Disclosure Statement considered.

INFORMATION DISCLOSURE STATEMENT

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Serial No :10/684850

Dkt:1600-0877 (INTEL)

Filing Date: October 14, 2003

Title: LOW BIT ERROR RATE ANTENNA SWITCH FOR WIRELESS COMMUNICATIONS

Assignee: Intel Corporation

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

QINGHUA LI ET AL.

By their Representatives,

The Law Offices of John C. Scott
c/o PortfolioIP
P.O. Box 52050
Minneapolis, MN 55402
480-948-3745

Date 10-31-03

By John C. Scott
John C. Scott
Reg. No. 38,613

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 31 day of October, 2003.

Emily Bates
Name

Emily Bates
Signature



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|----------------------|------------------|
| Application Number | 10/684850 |
| Filing Dat | October 14, 2003 |
| First Named Inventor | Li, Qinghua |
| Group Art Unit | Unknown |
| Examiner Name | Unknown |

Sheet 1 of 1

Attorney Docket No: 1000-0017

US PATENT DOCUMENTS

| Examiner Initial * | USP Document Number | Publication Date | Name of Patentee or Applicant of cited Document | Class | Subclass | Filing Date If Appropriate |
|-----------------------|------------------------|------------------|--|-------|----------|-------------------------------|
|-----------------------|------------------------|------------------|--|-------|----------|-------------------------------|

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Foreign Document No | Publication Date | Name of Patentee or Applicant of cited Document | Class | Subclass | T ² |
|-----------------------|---------------------|------------------|--|-------|----------|----------------|
|-----------------------|---------------------|------------------|--|-------|----------|----------------|

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|-----------------------|-------------------------|---|----------------|
| | | HONGLIN, HU, et al., "A Smart Antennas Scheme Based on 2-dimensional Searching of Beams and Channels and Its Performance Analysis", <u>Proc. IEEE 55th VTC</u> , (2002), 1349-1352 | |

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached